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Page 1 of 4

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/341,600A

DATE: 09/11/2002 TIME: 10:28:08

Input Set : A:\General.app

Output Set: N:\CRF4\09112002\I341600A.raw

SEQUENCE LISTING

```
(1) GENERAL INFORMATION:
      6
             (i) APPLICANT: Millis, James R.
      7
                             Berry, Alan
                             Burlingame, Richard
      8
            (ii) TITLE OF INVENTION: PROCESS FOR PRODUCTION OF N-GLUCOSAMINE
     10
           (iii) NUMBER OF SEQUENCES: 4
     12
            (iv) CORRESPONDENCE ADDRESS:
     14
     15
                   (A) ADDRESSEE: Sheridan Ross P.C.
     16
                   (B) STREET: 1560 Broadway, Suite 1200
     17
                   (C) CITY: Denver
                   (D) STATE: CO
     18
     19
                   (E) COUNTRY: USA
     20
                   (F) ZIP: 80202-5141
             (V) COMPUTER READABLE FORM:
     22
                   (A) MEDIUM TYPE: Floppy disk
     23
                   (B) COMPUTER: IBM PC compatible
     24
                   (C) OPERATING SYSTEM: PC-DOS/MS-DOS
     25
                   (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
     26
     28
            (vi) CURRENT APPLICATION DATA:
                   (A) APPLICATION NUMBER: US/09/341,600A
C--> 29
                   (B) FILING DATE: 15-Jan-1999
C--> 30
     31
                   (C) CLASSIFICATION:
          (viii) ATTORNEY/AGENT INFORMATION:
     33
                   (A) NAME: Connell, Gary J.
     34
                   (B) REGISTRATION NUMBER: 32,020
     35
                   (C) REFERENCE/DOCKET NUMBER: 3161-18-PUS
     36
     38
            (ix) TELECOMMUNICATION INFORMATION:
     39
                   (A) TELEPHONE: (303) 863-9700
                   (B) TELEFAX: (303) 863-0223
     40
     43 (2) INFORMATION FOR SEQ ID NO: 1:
             (i) SEQUENCE CHARACTERISTICS:
     45
                   (A) LENGTH: 29 base pairs
     46
     47
                   (B) TYPE: nucleic acid
                   (C) STRANDEDNESS: single
     48
     49
                   (D) TOPOLOGY: linear
            (ii) MOLECULE TYPE: other nucleic acid
     51
                   (A) DESCRIPTION: /desc = "primer"
     52
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
     57
     59 CGGTCTCCCA TGTGTGGAAT TGTTGGCGC
     61 (2) INFORMATION FOR SEQ ID NO: 2:
              (i) SEQUENCE CHARACTERISTICS:
     63
     64
                   (A) LENGTH: 34 base pairs
```

RAW SEQUENCE LISTING DATE: 09/11/2002 PATENT APPLICATION: US/09/341,600A TIME: 10:28:08

Input Set : A:\General.app
Output Set: N:\CRF4\09112002\1341600A.raw

65 (B) TYPE: nucleic acid	
66 (C) STRANDEDNESS: single	
67 (D) TOPOLOGY: linear	
69 (ii) MOLECULE TYPE: other nucleic acid	
70 (A) DESCRIPTION: /desc = "primer"	
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
77 CTCTAGAGCG TTGATATTCA GTCAATTACA AACA	34
79 (2) INFORMATION FOR SEQ ID NO: 3:	
81 (i) SEQUENCE CHARACTERISTICS:	
82 (A) LENGTH: 20 base pairs	
83 (B) TYPE: nucleic acid	
84 (C) STRANDEDNESS: single	
85 (D) TOPOLOGY: linear	
87 (ii) MOLECULE TYPE: other nucleic acid	
88 (A) DESCRIPTION: /desc = "primer"	
93 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
95 ATGGATGAGC AGACGATGGT	20
97 (2) INFORMATION FOR SEQ ID NO: 4:	
99 (i) SEQUENCE CHARACTERISTICS:	
100 (A) LENGTH: 19 base pairs	
101 (B) TYPE: nucleic acid	
102 (C) STRANDEDNESS: single	
103 (D) TOPOLOGY: linear	
105 (ii) MOLECULE TYPE: other nucleic acid	
106 (A) DESCRIPTION: /desc = "primer"	
111 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
113 CCTCGAGGTC GACGGTATC	19

VERIFICATION SUMMARY

DATE: 09/11/2002

PATENT APPLICATION: US/09/341,600A

TIME: 10:28:09

Input Set : A:\General.app

Output Set: N:\CRF4\09112002\I341600A.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:] L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]